



(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: 0000093208 | Submit Date: 12/12/2019 | Call Sign: KSTS | Facility ID: 64987 | FRN: 0019509470 | State: California | City: SAN JOSE

Service: DTV | Purpose: Engineering STA | Status: Granted | Status Date: 12/18/2019 | Expiration Date: 05/01/2020 |

Filing Status: InActive

General Information

Section	Question	Response
---------	----------	----------

Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MGT	\$200.00
Total		\$200.00

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
NBC TELEMUNDO LICENSE LLC	Margaret L. Tobey 300 NEW JERSEY AVE, N.W. SUITE 700 WASHINGTON, DC 20001 United States	+1 (202) 524- 6401	MARGARET. TOBEY@NBCUNI.COM	Limited Liability Company

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

Contact
Representatives
(2)

Contact Name	Address	Phone	Email	Contact Type
H. Douglas Lung <i>Corporate Engineering Manager</i> NBCUniversal, LLC	PO Box 98 Honolulu, HI 96728 United States	+1 (818) 334- 4034	doug.lung@nbcuni.com	Technical Representative
MARGARET L. TOBEY <i>Assistant Secretary</i> NBCUniversal, LLC	300 New Jersey Avenue, NW Suite 700 WASHINGTON, DC 20001 United States	+1 (202) 524- 6401	margaret. tobey@nbcuni.com	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	64987
	State	California
	City	SAN JOSE
	DTV Channel	49
	Designated Market Area	San Francisco-Oak-San Jose
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1044718
Coordinates (NAD83)	Latitude	37° 29' 57.0" N+
	Longitude	121° 52' 20.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	135.0 meters
	Support Structure Height	119.5 meters
	Ground Elevation (AMSL)	794.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	92.7 meters
	Height of Radiation Center Above Average Terrain	667.0 meters
	Height of Radiation Center Above Mean Sea Level	887.0 meters
	Effective Radiated Power	220 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1006072
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	i230ECW-24-49
	Rotation	0 degrees
	Electrical Beam Tilt	1.25
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	Yes
	Uploaded file for elevation antenna (or radiation) pattern data	KSTS-CH49-ERI-i230ECW-24-EL.xml

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.200	90	0.300	180	0.810	270	0.920
10	0.130	100	0.420	190	0.710	280	0.990
20	0.100	110	0.540	200	0.690	290	0.990
30	0.090	120	0.680	210	0.730	300	0.920
40	0.100	130	0.810	220	0.760	310	0.810
50	0.090	140	0.920	230	0.730	320	0.680
60	0.100	150	0.990	240	0.690	330	0.540
70	0.130	160	0.990	250	0.710	340	0.420
80	0.200	170	0.920	260	0.810	350	0.300

Additional Azimuths

Degree	V _A
284	1.0
243	0.68
197	0.68
156	1.0

Certification

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Margaret L. Tobey <i>Assistant Secretary</i> 12/12/2019

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>KSTS49-STA-73.625(c)_antenna_system-data.pdf</u>	Applicant	General Information	KSTS Application for STA for Interim Facility Antenna Data
<u>KSTS Application For STA for Interim Facility.pdf</u>	Applicant	All Purpose	Explanation of circumstances requiring STA, description of proposed facility, environmental statement, and contour map.
<u>KSTS-CH49-ERI-i230ECW-24-EL.xml</u>	Applicant	Elevation Pattern	